

Converting Colors

$Y_{xy}(58.1957, 0.2582, 0.2810)$

Have a look what the booklet for
Yxy(58.1957, 0.2582, 0.2810)
contains.

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Color

Yxy(57.9978, 0.2579, 0.2803)

Conversions

Conversions Part 1

Format	Color
Hex	A2CDF6
RGB	162, 205, 246
RGB Percent	64%, 80%, 96%
CMY	0.3647, 0.1961, 0.0354
CMYK	0.34, 0.17, 0.00, 0.04
HSL	209°, 82%, 80%
HSV	209°, 34%, 96%
XYZ	53.3629, 57.9978, 95.5526
YIQ	196.8170, -38.7890, 3.6350

Conversions

Conversions Part 2

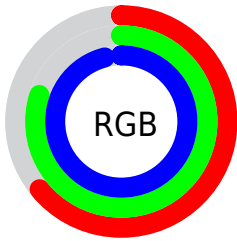
Format	Color
RYB	162, 190, 246
Decimal	10669558
CIELab	80.74, -4.49, -24.69
CIElCh	81, 25.097, 259.690
Yxy	57.9978, 0.2579, 0.2803
Android (android.graphics.Color)	4288859638 (0xFFA2CDF6)
YUV	196.8170, 24.2472, -30.5345
Hunter-Lab	76.1563, -8.1980, -21.0812

Details

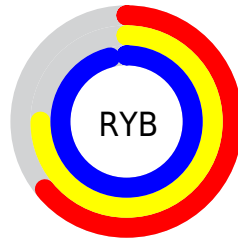
The Yxy color **57.9978, 0.2579, 0.2803** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.8964, 0.3786, 0.3730**, and the grayscale version is **55.5881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **28.9767, 0.2440, 0.2675** is the 20% darker color. If you saturate the color by 10%, you get **50.1477, 0.2417, 0.2630**, and if you desaturate by 10%, it is **66.7966, 0.2743, 0.2963**.

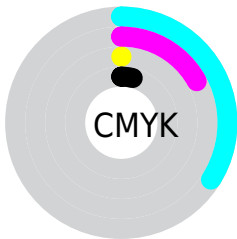
Distribution



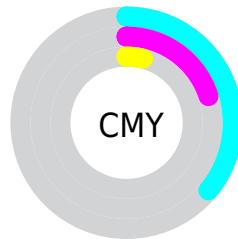
- Red (64%)
- Green (80%)
- Blue (96%)



- Red (64%)
- Yellow (75%)
- Blue (96%)



- Cyan (34%)
- Magenta (17%)
- Yellow (0%)
- Black (4%)



- Cyan (36%)
- Magenta (20%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9978, 0.2579, 0.2803 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 57.9978, 0.2579, 0.2803 by changing the saturation by 10% instead.

■ 57.9978, 0.2579,
0.2803

■ 57.9978, 0.2579,
0.2803

■ 417.1777, 0.2838,
0.3036

■ 41.8069, 0.2519,
0.2748

■ 101.9197, 0.2670,
0.2885

■ 28.9501, 0.2445,
0.2680

■ 130.4194, 0.2704,
0.2917

■ 19.0431, 0.2350,
0.2592

■ 163.7908, 0.2735,
0.2944

■ 11.7014, 0.2226,
0.2476

■ 202.4184, 0.2761,
0.2967

■ 6.5407, 0.2058,
0.2317

■ 246.6865, 0.2783,
0.2988

■ 3.1766, 0.1818,
0.2086

■ 296.9795, 0.2804,

■ 1.2246, 0.1458,

0.3006

0.1728

353.6818, 0.2822,
0.3022

0.0817, 0.0000,
0.0376

0.0000, 0.0000,
0.0000

57.9978, 0.2579,
0.2803

57.9978, 0.2579,
0.2803

50.1477, 0.2417,
0.2630

66.7966, 0.2743,
0.2963

43.2002, 0.2262,
0.2447

76.5741, 0.2906,
0.3109

37.1149, 0.2120,
0.2257

87.3667, 0.3064,
0.3240

31.8446, 0.1994,
0.2064

98.1699, 0.3181,
0.3358

■ 27.3357, 0.1891,
0.1873

■ 99.4325, 0.3179,
0.3376

■ 23.5247, 0.1812,
0.1691

■ 21.5664, 0.1775,
0.1589

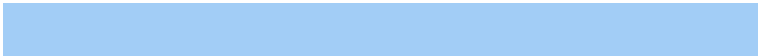
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.9978, 0.2517, 0.2983



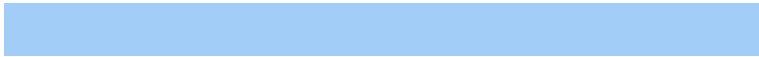
57.9978, 0.2579, 0.2803



57.9978, 0.2781, 0.2755

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



57.9978, 0.2579, 0.2803



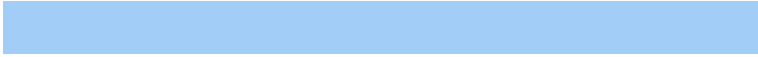
57.9978, 0.3673, 0.3276



57.9978, 0.3143, 0.3808

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



57.9978, 0.2579, 0.2803



64.8964, 0.3786, 0.3730

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.9978, 0.3461, 0.3872



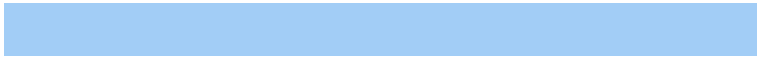
57.9978, 0.2579, 0.2803



57.9978, 0.3778, 0.3545

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.9978, 0.2579, 0.2803



57.9978, 0.3414, 0.3022



57.9978, 0.3697, 0.3767



57.9978, 0.2832, 0.3578

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.9978, 0.2579, 0.2803



57.9978, 0.2976, 0.2796



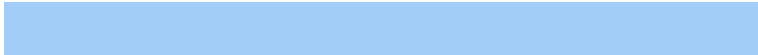
57.9978, 0.3697, 0.3767



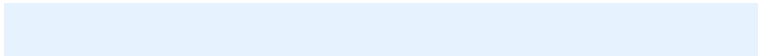
57.9978, 0.3253, 0.3849

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



58.0001, 0.2579, 0.2803



87.7979, 0.2971, 0.3164



77.8722, 0.2863, 0.3805



18.4447, 0.2949, 0.3146



0.0000, 0.0000, 0.0000



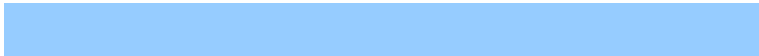
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.0001, 0.2579, 0.2803



56.9286, 0.2466, 0.2684



40.6709, 0.2511, 0.2284



17.3301, 0.2980, 0.3172



11.7956, 0.1783, 0.1617



1.2425, 0.1845, 0.1840

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49.8381, 0.3521, 0.2833



47.5758, 0.3634, 0.2739



87.2478, 0.3647, 0.4130



16.6242, 0.3213, 0.3169



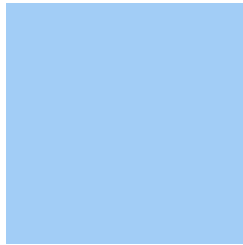
11.2901, 0.4909, 0.2478



1.0131, 0.4638, 0.2329

Previews

White Background



This preview shows how the Yxy color 57.9978, 0.2579, 0.2803 looks on a white background.

Color Contrast Check

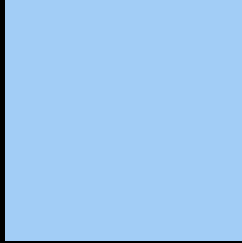
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 57.9978, 0.2579, 0.2803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

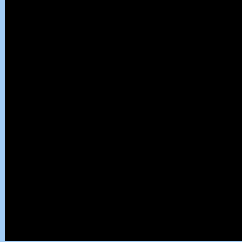
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

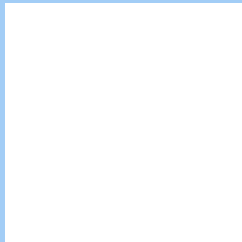
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.9978, 0.2579, 0.2803

Background



This preview shows how black text looks on a background with the Yxy color 57.9978, 0.2579, 0.2803.



This preview shows how white text looks on a background with the Yxy color 57.9978, 0.2579, 0.2803.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

57.9978, 0.2579, 0.2803

Protanopia

57.6862, 0.2777, 0.2796

Deuteranopia

57.8593, 0.2767, 0.2705



Tritanopia

58.2053, 0.2671, 0.3091

Trichromacy



Original Color

57.9978, 0.2579, 0.2803

Protanomaly

57.9477, 0.2702, 0.2801

Deuteranomaly

57.6295, 0.2696, 0.2738

Tritanomaly

58.3659, 0.2637, 0.2984

Monochromacy



Original Color

57.9978, 0.2579, 0.2803

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

56.4052, 0.2903, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9978, 0.2579, 0.2803 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(162, 205, 246)` looks like.

```
.text, #text, p{  
    color:rgb(162, 205, 246)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(162, 205, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 205, 246) }
```

Border

The CSS property to change the border of an element to Yxy 57.9978, 0.2579, 0.2803 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(162, 205, 246) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(162, 205, 246) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(162, 205, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 205, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 205, 246);  
box-shadow:4px 4px 4px 4px rgb(162, 205,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9978, 0.2579, 0.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 205, 246) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(162,  
205, 246) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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